

Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets if necessary) MAR 21 2002 Page 1 of 5	Applicant Number	10/023,271
	Filing Date	December 14, 2001
	First Named Inventor	Jing, Naiying
	Art Unit	
	Examiner Name	
	Attorney Case Number	57334US002

U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
MOB	A1	US- 2,789,063	04/16/57	Purvis et al.	
MOB	A2	US- 3,254,561	06/07/66	Makas	
MOB	A3	US- 3,563,871	02/16/71	Newman et al.	
MOB	A4	US- 4,112,139	09/05/78	Shirk et al.	
MOB	A5	US- 4,164,463	08/14/79	Fang	
MOB	A6	US- 4,186,084	01/29/80	Fang	
MOB	A7	US- 4,233,421	11/11/80	Worm	
MOB	A8	US- 4,261,800	04/14/81	Beckenbaugh et al.	
MOB	A9	US- 4,338,237	07/06/82	Sulzbach et al.	
MOB	A10	US- 4,567,241	01/28/86	Kitchens et al.	
MOB	A11	US- 4,613,653	09/23/86	Kitchens et al.	
MOB	A12	US- 4,775,449	10/04/88	Dumas et al.	
MOB	A13	US- 4,824,692	04/25/89	Gillick et al.	
MOB	A14	US- 4,912,171	03/27/90	Grootaert et al.	
MOB	A15	US- 5,051,312	09/24/91	Allmer	
MOB	A16	US- 5,086,123	02/04/92	Guenther et al.	
MOB	A17	US- 5,262,490	11/16/93	Kolb et al.	
MOB	A18	US- 5,284,611	02/08/94	Grootaert et al.	
MOB	A19	US- 5,285,002	02/08/94	Grootaert	
MOB	A20	US- 5,320,789	06/14/94	Nishii et al.	
MOB	A21	US- 5,419,968	05/30/95	Okada et al.	
MOB	A22	US- 5,470,617	11/28/95	Nishii et al.	
MOB	A23	US- 5,478,652	12/26/95	Grootaert et al.	
MOB	A24	US- 5,580,616	12/03/96	Niino et al.	
MOB	A25	US- 5,656,121	08/12/97	Fukushi	
MOB	A26	US- 5,658,671	08/19/97	Fukushi	
MOB	A27	US- 5,734,085	03/31/98	Coggio et al.	
MOB	A28	US- 5,859,086	01/12/99	Freund et al.	

RECEIVED
 MAR 29 2002
 TC 1700

*Examiner: <i>Miles</i>	Date Considered: 9/22/03
-------------------------	--------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitut for form 1449A/PTO (modif) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets if necessary) Page 2 of 5	Applicati n Number	10/023,271
	Filing Dat	Dec mber 14, 2001
	First Nam d Invent r	Jing, Naiy ng
	Art Unit	
	Examiner Name	
	Attorney Case Number	57334US002

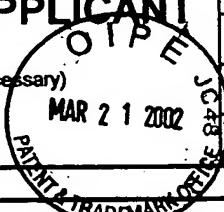
U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
MOB	A29	US- 6,117,497	09/12/00	Murahara et al.	_____
MOB	A30	US- 6,255,384 B1	07/03/01	McCarthy et al.	_____

Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number+KindCode (if known)				
MOB	B1	WO	96/05965 A1	02/29/96			
MOB	B2	JP	06-279590 (English Abstract Only)	10/04/94			
MOB	B3	JP	07-179628 (English Abstract Only)	07/18/95			
MOB	B4	JP	07-179636 (English Abstract Only)	07/18/95			
MOB	B5	JP	09-193164 (English Abstract Only)	07/29/97			
MOB	B6	JP	2000-256488 (English Abstract Only)	09/19/00			

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
MOB	C1	Küper et al., "Ablation of polytetrafluoroethylene (Teflon) with femtosecond UV excimer laser pulses", Appl. Phys. Lett., 54 (1), 2 January 1989, ©1988 American Institute of Physics, , pp. 4-6
MOB	C2	Yao et al., "ANODIC VOLTAMMETRY AND ESR STUDIES OF P-PHENYLENEDIAMINE AND SOME OF ITS DERIVATIVES IN ACETONITRILE", Chemistry Letters, 1974, pp. 939-944
MOB	C3	Siperko et al., "Chemical and physical modification of fluoropolymer surfaces for adhesion enhancement: a review", J. Adhesion Sci. Technol., Vol. 3, No. 3, pp. 157-173, 1989
MOB	C4	Chemlok®, "Chemlok® 607 Silicone Rubber and Specialty Elastomer Adhesive", No. 512, (2001), Lord Chemical Products
MOB	C5	Rye et al., "Depth Dependence of Alkali Etching of Poly(tetrafluoroethylene): Effect of X-ray Radiation", Langmuir 1989, 5, pp. 1331-1334

*Examin r: MOB	Date Considered: 4/22/03
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitut for form 1449A/PTO (modifi INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets if necessary) Page 3 of 5	Applicati n Number	10/023,271
	Filing Date	December 14, 2001
	First Nam d Inventor	Jing, Naiy ng
	Art Unit	
	Examiner Name	
	Attorney Case Number	57334US002



RECEIVED
MAR 8 9 2002
TC 1700

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
MOB	C6	Mazur et al., "Electrochemical Growth of Metal Interlayers in Polyimide Film," J. Phys. Chem. 1986, 90, pp. 1365-1372
MOB	C7	Barker et al., "The Electrochemical Reduction of Polytetrafluoroethylene," Electrochimica Acta, 1978, Vol. 23, pp. 1107-1110
MOB	C8	Okada et al., "Endowment with the Wettability on the Surface of Tetrafluoroethylene-Perfluoroalkyl Vinyl Ether Copolymer by Excimer Laser Irradiation", Chemistry Letters, pp. 1637-1638, 1993, © 1993 The Chemical Society of Japan
MOB	C9	Révész et al., "Excimer laser induced surface chemical modification of polytetrafluoroethylene", Elsevier, Applied Surface Science 109/110 (1997), pp. 222-226
MOB	C10	Meyer et al., "METALLIZATION OF POLYTETRAFLUOROETHYLENE (PTFE) BY MEANS OF PLASMA-ENHANCED CHEMICAL VAPOUR DEPOSITION", Metallized Plastics 2, Fundamental and Applied Aspects, Plenum Press, NY, 1991, pp. 121-129
MOB	C11	MacNicol et al., "New and unexpected reactivity of saturated fluorocarbons", Letters to Nature, Nature, Vol. 332, 3 March 1988, pp. 59-61
MOB	C12	Burdeniuc et al., "New Reaction of Saturated Fluorocarbons: Partial Reduction by NH ₃ with Hg Photosensitization", J. Am. Chem. Soc., 1995, 117, pp. 10119-10120
MOB	C13	Burdeniuc et al., "Mineralization of Chlorofluorocarbons and Aromatization of Saturated Fluorocarbons by a Convenient Thermal Process", Science, Vol. 271, 19 January 1996, pp. 340-341
MOB	C14	D. F. Evans, "Perturbation of Singlet-Triplet Transitions of Aromatic Molecules by Oxygen under Pressure", Journal of the Chemical Society (London), 1957, pp. 1351-1357
MOB	C15	Allmer et al., "Photochemical Modification of a Fluoropolymer Surface", Macromolecules, 1991, 24, pp. 5487-5488
MOB	C16	Kaprinidis et al., "Photosensitized Defluorination of Saturated Perfluorocarbons", Pergamon, Tetrahedron Letters, Vol. 37, No. 14, pp. 2373-2376, 1996
MOB	C17	Burggraaf, "Pick Your Plastic Pipe Carefully - Chemicals, even water, can degrade some plastics", Semiconductor International, July 1988, pp. 54-58
MOB	C18	Weissman, "Paramagnetic Resonance Spectra of Wurster's Free Radical Ions", Journal Phys. Chem., 1954, Vol. 22, pp. 1135-1136

*Examiner: <i>Mute</i>	Date Considered: 9/22/03
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

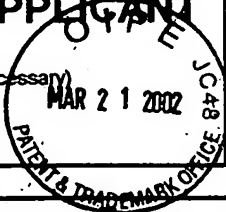
Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets if necessary) Page 4 of 5	Applicant Number	10/023,271
	Filing Date	December 14, 2001
	First Named Inventor	Jing, Naiying
	Art Unit	
	Examiner Name	
	Attorney Case Number	57334US002

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
MOB	C19	Iqbal et al., "Polyacetylene Formed by the Benzoin Dianion Reduction of Poly(tetrafluoroethylene)", <i>Macromolecules</i> , 1986, 19, pp. 2992-2996
MOB	C20	Niino et al., "Positively charged surface potential of polymer films after excimer laser ablation: Application to selective-area electroless plating on the ablated films", <i>Appl. Phys. Lett.</i> 60 (21), 25 May 1992
MOB	C21	Brewis et al., "Reactions of Polytetrafluoroethylene with Electrochemically Generated Intermediates", <i>Die Angewandte Makromolekulare Chemie</i> , 43, (1975), pp. 191-194 (Nr. 659)
MOB	C22	Marsella et al., "Selective Reduction of Saturated Perfluorocarbons", <i>J. Org. Chem.</i> , 1992, 57, pp. 2856-2860
MOB	C23	E.P. Plueddemann, "Silane Coupling Agents", Second Edition, Plenum Press, NY, 1991, pp. 101-113
MOB	C24	E.P. Plueddemann, "Silane Coupling Agents", Plenum Press, NY, 1982, pp. 188-205
MOB	C25	Brewis, "SURFACE ANALYSIS AND PRETREATMENT OF PLASTICS AND METALS", Applied Science Publishers, NY, 1982, pp. 1-11
MOB	C26	Niino et al., "Surface modification and metallization of fluorocarbon polymers by excimer laser processing", <i>Appl. Phys. Lett.</i> , 63, (25), 20 December 1993
MOB	C27	Clark et al., "Surface Modification by Plasma Techniques. I. The Interactions of a Hydrogen Plasma with Fluoropolymer Surfaces", <i>Journal Polym. Sci., Polym. Chem. Ed.</i> , 1987, Vol. 25, pp. 2643-2664
MOB	C28	Nishii et al., "Surface Modification of Polytetrafluoroethylene by KrF-Laser Irradiation", <i>Chemistry Letters</i> , pp. 2089-2090, 1992, © 1992 The Chemical Society of Japan
MOB	C29	Nishii et al., "Surface Modification of Polytetrafluoroethylene Containing Carbonaceous Materials by KrF-Laser Irradiation", <i>Chemistry Letters</i> , pp. 1063-1066, 1993, © 1993 The Chemical Society of Japan
MOB	C30	Costello et al., "Surface Modification of Poly(tetrafluoroethylene) with Benzoin Dianion", <i>Macromolecules</i> , 1984, 17, pp. 2940-2942
MOB	C31	Kiplinger et al., <i>Chem. Rev.</i> , 1994, Vol. 94, No. 2, p. 341

*Examiner: <i>Melan S. J.</i>	Date Considered: 9/22/03
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets if necessary) Page 5 of 5	Application Number	10/023,271
	Filing Date	December 14, 2001
	First Named Inventor	Jing, Naiying
	Art Unit	
	Examiner Name	
	Attorney Case Number	57334US002



OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
MOB	C32	Cooper et al., "Theoretical Studies of Fluorocarbons - Part III. Primary, Secondary, Tertiary and Quaternary Centres", Journal of Fluorine Chemistry, 49, (1990), pp. 421-432

RECEIVED
MAR 29 2002
TC 1700

*Examiner: <i>M. J. [Signature]</i>	Date Considered: 9/22/03
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

OMB No. 0651-0011

INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 57334US002	Serial No.: 10023271
	First Named Inventor: Jing, Naiyong	
	Filing Date: December 14, 2001	Group:

MAR 21 2002

RECEIVED
MAR 8 2002
TC 1700

U.S. APPLICATIONS		DO NOT PUBLISH
Examiner Initial		
	Attorney Docket No. 56210USA3A, U.S.S.N. 09/862,022, filed May 21, 2001, "FLUOROPOLYMER BONDING COMPOSITION AND METHOD", pp. 1-31 (1 sheet of drawings) US6630047	
	Attorney Docket No. 56211USA1A, U.S.S.N. 09/862,124, filed May 21, 2001, "FLUOROPOLYMER BONDING", pp. 1-23 (1 sheet of drawings) 20020197401	
	Attorney Docket No. 56212USA9A, U.S.S.N. 09/862,125, filed May 21, 2001, "FLUOROPOLYMER BONDING COMPOSITION AND METHOD", pp. 1-35 (1 sheet of drawings) 20030071454	
	Attorney Docket No. 57151US02, U.S.S.N. 10/022,761, filed December 14, 2001, "IMPROVED PROCESS FOR MODIFYING A POLYMERIC SURFACE", pp. 1-69 (1 sheet of drawings) 20030159915	

EXAMINER	Date Considered
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

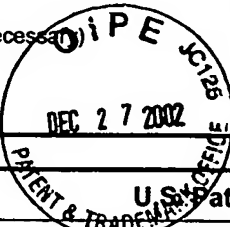
Based on Form PTO-FB-A820
(Also form PTO-1449)

Patent and Trademark Office, U.S. Department of Commerce

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Page 1 of 1



Applicati n Number	10/023,271
Filing Date	D cemb r 14, 2001
First Named Inv nt r	Jing, Naiyong
Art Unit	1711
Examiner Name	Unknown
Attorney Case Number	57334US002

U.S. Patent Documents						
Exam. Init.*	Cite No.	Document Number		Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)				
	A1	US-				
	A2	US-				
	A3	US-				
	A4	US-				
	A5	US-				
	A6	US-				
	A7	US-				
	A8	US-				
	A9	US-				

BEST AVAILABLE COPY

RECEIVED
JAN 02 2003
TC 1700

Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (If known)				
	B1						
	B2						
	B3						
	B4						
	B5						
	B6						
	B7						

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
MOB	C1	Noh et al., "Surface Modification of Poly(tetrafluoroethylene) with Benzophenone and Sodium Hydride by Ultraviolet Irradiation", J. Poly. Sci. A: Polym. Chem. Ed. 35 (1997), pp. 1499-1514 -
	C2	
	C3	

*Examiner: <i>MOB</i>	Date C nsidered: 9/22/03
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Filing Date

December 14, 2001

First Named Inventor

Jing, Naiyong

Art Unit

1711

Examiner Name

Unknown

Attorney Case Number

57334US002

(Use as many sheets as necessary)

Page 1 of 1

RECEIVED

MAY 22 2003

GROUP 1700

U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
MOB	A1	US- 3,376,278	04-02-1968	Morgan et al.	
MOB	A2	US- 5,075,427	12-24-1991	Kang et al.	
MOB	A3	US- 5,882,466	03-16-1999	Grootaert et al.	
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			
	A10	US-			
	A11	US-			
	A12	US-			

Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (if known)				
MOB	B1	EP	0769517 A1	04-23-1997			
	B2						
	B3						
	B4						
	B5						
	B6						
	B7						

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	
	C2	
	C3	

*Examiner:

Meb. SDB

Date Considered:

9/22/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.